

WHAT IS CLAIMED IS:

1. A printed circuit board arrangement for printed circuits with electronic components, comprising:

a first board (7) having a first electric partial circuit (8) and having a first edge (17) formed as a first contact comb (2) with successively arranged first projections (4) and first cutouts (5);

a second board (7') having a second electric partial circuit (8') and having a second edge (18) formed as a second contact comb (2') with successively arranged second projections (4') and second cutouts (5'), wherein the second contact comb (2') is configured to be complementary to the first contact comb (2);

wherein the first and second boards (7, 7') are combined to form a complete circuit (9) with the first and second boards (7, 7') substantially positioned in a common plane;

wherein the first projections (4) engage captively the second cutouts (5') and the second projections (4') engage captively the first cutouts (5).

2. The printed circuit board arrangement according to claim 1, wherein the first and second contact combs (2, 2') are parts of the printed circuit of the first and second boards (7, 7'), respectively.

3. The printed circuit board arrangement according to claim 1, wherein the first and second contact combs (2, 2') are monolithic parts of the first and second boards (7, 7'), respectively.

4. The printed circuit board arrangement according to claim 1, wherein a thickness (11) of the first and second contact combs (2, 2') matches a thickness (12) of the first and second boards (7, 7'), respectively.

5. The printed circuit board arrangement according to claim 1, wherein the first and second projections (4, 4') have longitudinal sides (14), respectively, and wherein each one of the longitudinal sides (14) supports an electrically isolated contact lead (6).

6. The printed circuit board arrangement according to claim 5, wherein the first and second edges (17, 18) have a copper coating.

7. The printed circuit board arrangement according to claim 6, wherein the longitudinal sides (14) of the first and second projections (4, 4') have a copper coating.

8. The printed circuit board arrangement according to claim 1, wherein the first and second contact combs (2, 2') are connected by soldering.

9. The printed circuit board arrangement according to claim 1, wherein the first and second contact combs (2, 2') are coded.

10. The printed circuit board arrangement according to claim 1, wherein the first and second projections (4, 4') have undercuts.

11. The printed circuit board arrangement according to claim 10, wherein the first and second cutouts (5, 5') have undercuts.

12. The printed circuit board arrangement according to claim 1, wherein

the first and second cutouts (5, 5') have undercuts.

13. The printed circuit board arrangement according to claim 1, wherein the first and second projections (4, 4') are substantially rectangular and have longitudinal sides (14) providing joining edges extending in a joining direction (22) of the first and second boards (7, 7').

14. The printed circuit board arrangement according to claim 1, wherein the first and second contact combs (2, 2') extend over the entire length of the first and second edges (17, 18), respectively.

15. The printed circuit board arrangement according to claim 1, wherein the electrical isolation is provided by milled slots (21).